

SYSTEM AND METHOD FOR IMPROVING DRIVEABILITY AND
PERFORMANCE OF A HYBRID VEHICLE

ABSTRACT OF THE DISCLOSURE

A control method and system for propelling a vehicle includes a primary power source for propelling the vehicle at a time after the vehicle is initially propelled, and a secondary power source for initially propelling and accelerating the vehicle prior to activation of the primary power source. A controller determines a weight of the vehicle based on the initial acceleration of the vehicle, and a driver torque request. The controller activates the primary power source when the weight of the vehicle exceeds a predetermined threshold vehicle weight value and the driver torque request exceeds a predetermined threshold torque value.